Recipient Histocompatibility (RHS) Field Descriptions

Recipient Histocompatibility (RHS) records are generated as soon as the Recipient Feedback is completed in Waitlist. For living donors, the RHS record is generated when Living Donor Feedback has been completed in Tiedi. The RHS record is to be completed by the histocompatibility laboratory responsible for performing tissue typing on the recipient and crossmatch testing between the donor and recipient once an organ becomes available.

The RHS record must be completed within 30 days from the record generation date. See OPTN Policies for additional information. Use the search feature to locate specific policy information on Data Submission Requirements.

To correct information that is already displayed in an electronic record, call the UNet℠ Help Desk at 1-800-978-4334.

> Additional Resources: See History of Definition Changes.

Provider Information

Lab: The lab, from Donor Organ Disposition in DonorNet®, displays.

TX Center: The center, from Recipient Feedback, displays.

Recipient Information

Name: The recipient's name, from Recipient Feedback, displays.

DOB: The recipient's date of birth, from Recipient Feedback, displays.

Transplant Date: The recipient's transplant date, from Recipient Feedback, displays.

> *Note:* The transplant date is the date of the beginning of the first anastomosis. If the operation started in the evening and the first anastomosis began early the next morning, the transplant date is the date that the first anastomosis began. The transplant is considered complete when the cavity is closed and the final skin stitch/staple is applied.

SSN: The recipient's social security number, from Recipient Feedback, displays.

Gender: The recipient's gender, from Recipient Feedback, displays.

HIC: The recipient's Health Insurance Claim (HIC) number, from Recipient Feedback, displays.

Organ(s): The recipient's transplanted organ(s), from Recipient Feedback, displays.

Most Recent CPRA: for kidney, kidney-pancreas and pancreas recipients or multi-organ recipients involving those organs, the recipient's most recent kidney/pancreas CPRA, from waiting list, displays.

Peak CPRA: for kidney, kidney-pancreas and pancreas recipients or multi-organ recipients involving those organs, the recipient's maximum kidney/pancreas CPRA, from waiting list, displays.

Unacceptable Antigens: recipient's most recent unacceptable antigens, from waiting list, displays.

Donor Information

UNOS Donor ID #: The donor's identification number, from Recipient Feedback, displays.

Donor Type: The donor type, from Recipient Feedback, displays.

Deceased indicates the donor was not living at the time of donation.
Living indicates the donor was living at the time of donation.

Test Information

HLA Typing Done: If HLA typing was performed on this recipient, select **Yes**. If HLA typing was not performed, select **No**. This field is **required**. If HLA typing was done on the recipient, complete Section I.

HLA Antibody Screening Done: If HLA antibody screening was done on the recipient, select **Yes**. If not, select **No**. This field is **required**. If screening was done on the recipient, complete Section II.

Physical Crossmatch Done: If crossmatch testing was done on the recipient, select **Yes**. If not, select **No**. This field is **required**. If crossmatch testing was done on the recipient, complete Section III.

> **If yes, was the crossmatch prospective to transplant:** If the crossmatch was prospective, select **Yes**. If not, select **No**. If unknown, select **UNK**. If **Yes** is selected for **Crossmatch Done**, this field is **required**.

Donor Retyped at Your Center: If the donor was retyped at your laboratory, select **Yes**. If not, select **No**. This field is **required**. If the donor was retyped at your laboratory, complete Section IV.

Section I - Recipient HLA Typing

Note: If **Yes** is selected for **HLA typing Done**, the fields in **Section I** are **required**.

Date Typing Completed Class I: Enter the date that the recipient was tissue-typed by the histocompatibility laboratory for Class I antigens. Use the standard 8-digit numeric format of MM/DD/YYYY.

Typing Method Class I: Select, as appropriate, the typing method.

Serology
DNA

Select the antigens from the drop-down lists. If the second antigen at a locus is blank, select **No second antigen detected**. If the donor was not tested for a particular antigen, select **Not tested**.

Note: If the split of an antigen is known, enter the split rather than the parent.

A Locus Codes: 1, 01:01, 01:02, 2, 02:01, 02:02, 02:03, 02:05, 02:06, 02:07, 02:10, 02:18, 3, 03:01, 03:02, 9, 10, 11, 11:01, 11:02, 19, 23, 24, 24:02, 24:03, 25, 26, 26:01, 26:02, 26:03, 28, 29, 29:01, 29:02, 30, 30:01, 30:02, 31, 32, 32:04, 33, 33:01, 33:03, 34, 34:01, 34:02, 36, 43, 66, 66:01, 66:02, 68, 68:01, 68:02, 69, 74, 80, No second antigen detected, Not Tested

B Locus Codes: 5, 7, 07:02, 07:03, 07:14, 8, 08:01, 08:02, 08:03, 08:04, 12, 13, 13:01, 13:02, 14, 14:01, 14:02, 15, 15:01, 15:02, 15:03, 15:04, 15:06, 15:07, 15:10, 15:11, 15:12, 15:13, 15:16, 15:17, 15:18, 15:20, 15:21, 15:24, 15:27, 16, 17, 18, 21, 22, 27, 27:03, 27:04, 27:05, 27:06, 27:08, 35, 35:01, 35:02, 35:03, 35:08, 35:12, 37, 38, 38:01, 38:02, 39, 39:01, 39:02, 39:04, 39:05, 39:06, 39:13, 40, 40:01, 40:02, 40:03, 40:04, 40:05, 40:06, 41, 41:01, 41:02, 42, 42:01, 42:02, 44, 44:02, 44:03, 45, 46, 47, 48, 48:01, 48:02, 49, 50, 50:01, 50:02, 51, 51:01, 51:02, 52, 53, 54, 55, 55:01, 55:02, 55:04, 56, 56:01, 56:03, 57, 57:01, 57:03, 58, 59, 60, 61, 62, 63, 64, 65, 67, 70, 71, 72, 73, 75, 76, 77, 78, 81, 82, No second antigen detected, Not Tested

Bw4 HLA Codes: Positive, Negative, Not Tested

Bw6 HLA Codes: Positive, Negative, Not Tested

C HLA Codes: 01, 01:02, 01:03, 02, 02:02, 02:10, 03, 03:02, 03:03, 03:04, 03:06, 04, 04:01, 04:03, 05, 06, 07, 07:01, 07:02, 07:04, 08, 08:01, 08:02, 08:03, 08:04, 09, 10, 12, 12:02, 12:03,

14, 14:02, 14:03, 15, 15:02, 15:05, 16, 16:01, 16:02, 17, 17:01, 17:03, 18, 18:01, 18:02, No second antigen detected, Not tested

Date Typing Completed Class II: Enter the date that the recipient was tissue typed by the histocompatibility laboratory for Class I antigens. Use the standard 8-digit numeric format of MM/DD/YYYY. This field is **required**.

Typing Method Class II: Select, as appropriate, the typing method(s). This field is **required**.

Serology
DNA

Select the antigens from the drop-down lists. If the second antigen at a locus is blank, select **No second antigen detected**. If the donor was not tested for a particular antigen, select **Not tested**. These fields are **required**.

Note: If the split of an antigen is known, enter the split rather than the parent.

DR Locus Codes: 1, 01:01, 01:02, 01:03, 2, 3, 03:01, 03:02, 03:03, 4, 04:01, 04:02, 04:03, 04:04, 04:05, 04:06, 04:07, 04:10, 04:11, 5, 6, 7, 8, 08:01, 08:02, 08:03, 08:07, 9, 09:01, 09:02, 10, 11, 11:01, 11:03, 11:04, 12, 12:01, 12:02, 13, 13:01, 13:02, 13:03, 13:05, 14, 14:01, 14:02, 14:03, 14:04, 14:05, 14:06, 14:54, 15, 15:01, 15:02, 15:03, 16, 16:01, 16:02, 17, 18, No second antigen detected, Not tested

DR51 HLA Code: 51, 5*01, 5*01:01, 5*01:02, 5*02, 5*02:02, N-Negative, NT-Not Tested

DR52 HLA Code: 52, 3*01, 3*01:01, 3*02, 3*02:01, 3*02:02, 3*03, 3*03:01, N-Negative, NT-Not Tested

DR53 HLA Code: 53, 4*01, 4*01:01, 4*01:03, N-Negative, NT-Not Tested

DQB1 HLA Codes: 1, 2, 02:01, 02:02, 3, 03:01, 03:02, 03:03, 03:19, 4, 04:01, 04:02, 5, 05:01, 05:02, 05:03, 6, 06:01, 06:02, 06:03, 06:04, 06:09, 7, 8, 9 No second antigen detected, Not Tested

DQA1 HLA Codes: 01, 01:01, 01:02, 01:03, 01:04, 01:05, 01:06, 01:07, 01:08, 01:09, 01:10, 01:11, 01:12, 02, 02:01, 03, 03:01, 03:02, 03:03, 04, 04:01, 04:02, 04:04, 05, 05:01, 05:02, 05:03, 05:04, 05:05, 05:06, 05:07, 05:08, 05:09, 05:10, 05:11, 06, 06:01, 06:02, No second antigen detected, Not tested

DPB1 HLA Codes: 01:01, 02:01, 02:02, 03:01, 04:01, 04:02, 05:01, 06:01, 08:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 16:01, 17:01, 18:01, 19:01, 20:01, 21:01, 22:01, 23:01, 24:01, 25:01, 26:01, 27:01, 28:01, 29:01, 30:01, 31:01, 32:01, 33:01, 34:01, 35:01, 36:01, 37:01, 38:01, 39:01, 40:01, 41:01, 44:01, 45:01, 46:01, 47:01, 48:01, 49:01, 50:01, 51:01, 52:01, 53:01, 54:01, 55:01, 56:01, 57:01, 58:01, 59:01, 60:01, 62:01, 63:01, 65:01, 66:01, 67:01, 68:01, 69:01, 70:01, 71:01, 72:01, 73:01, 74:01, 75:01, 76:01, 77:01, 78:01, 79:01, 80:01, 81:01, 82:01, 83:01, 84:01, 85:01, 86:01, 87:01, 88:01, 89:01, 90:01, 91:01, 92:01, 93:01, 94:01, 95:01, 96:01, 97:01, 98:01, 99:01, 100:01, 101:01, 102:01, 103:01, 104:01, 105:01, 106:01, 107:01, 108:01, 109:01, 110:01, 111:01, 112:01, 113:01, 114:01, 115:01, 116:01, 117:01, 118:01, 119:01, 121:01, 122:01, 123:01, 124:01, 125:01, 126:01, 127:01, 128:01, 129:01, 130:01, 131:01, 132:01, 133:01, 134:01, 135:01, 136:01, 137:01, 138:01, 139:01, 140:01, 141:01, 142:01, 143:01, 144:01, 145:01, 146:01, 147:01, 148:01, 149:01, 150:01, 151:01, 152:01, 153:01, 155:01, 156:01, 157:01, 158:01, 160:01, 162:01, 163:01, 164:01, 165:01, 166:01, 167:01, 168:01, 169:01, 170:01, 171:01, 172:01, 173:01, 174:01, 175:01, 176:01, 177:01, 178:01, 179:01, 180:01, 181:01, 182:01, 183:01, 184:01, 185:01, 186:01, 187:01, 188:01, 189:01, 190:01, 191:01, 192:01, 193:01, 194:01, 195:01, 196:01, 197:01, 198:01, 199:01, 200:01, 201:01, 202:01, 203:01, 204:01, 205:01, 206:01, 207:01, 208:01, 209:01, 210:01, 211:01, 212:01, 213:01, 214:01, 215:01, 217:01, 219:01, 220:01, 221:01, 222:01, 223:01, 224:01, 225:01, 226:01, 227:01, 228:01, 229:01, 230:01, 231:01,

232:01, 233:01, 234:01, 235:01, 236:01, 237:01, 238:01, 239:01, 240:01, 241:01, 242:01, 243:01, 244:01, 245:01, 246:01, 247:01, 248:01, 249:01, 250:01, 251:01, 252:01, 253:01, 254:01, 255:01, 256:01, 257:01, 258:01, 259:01, 260:01, 261:01, 262:01, 263:01, 264:01, 265:01, 266:01, 267:01, 268:01, 269:01, 270:01, 271:01, 272:01, 273:01, 274:01, 275:01, 276:01, 277:01, 278:01, 279:01, 280:01, 281:01, 282:01, 283:01, 284:01, 285:01, 286:01, 287:01, 288:01, 289:01, 290:01, 291:01, 292:01, 293:01, 294:01, 295:01, 296:01, 297:01, 298:01, 299:01, 300:01, 301:01, 302:01, 303:01, 304:01, 305:01, 306:01, 307:01, 308:01, 309:01, 310:01, 311:01, 312:01, 313:01, 314:01, 315:01, 316:01, 317:01, 318:01, 319:01, 320:01, 321:01, 322:01, 323:01, 324:01, 325:01, 326:01, 327:01, 329:01, 330:01, 331:01, 332:01, 333:01, 334:01, 335:01, 336:01, 337:01, 338:01, 339:01, 340:01, 341:01, 342:01, 343:01, 344:01, 345:01, 346:01, 347:01, 348:01, 349:01, 350:01, 351:01, 352:01, 353:01, 354:01, 355:01, 356:01, 358:01, 359:01, 360:01, 361:01, 362:01, 363:01, 364:01, 365:01, 366:01, 367:01, 368:01, 369:01, 370:01, 371:01, 372:01, 373:01, 374:01, 375:01, 376:01, 377:01, 378:01, 379:01, 380:01, 381:01, 383:01, 384:01, 385:01, 386:01, 387:01, 388:01, 389:01, 390:01, 391:01, 392:01, 393:01, 394:01, 395:01, 396:01, 397:01, 398:01, 399:01, 400:01, 402:01, 404:01, 405:01, 406:01, 407:01, 408:01, 409:01, 410:01, 411:01, 412:01, 413:01, 414:01, 415:01, 416:01, 417:01, 418:01, 419:01, 420:01, 421:01, 422:01, 423:01, 424:01, 425:01, 426:01, 427:01, 428:01, 429:01, 430:01, 431:01, 432:01, 433:01, 434:01, 435:01, 436:01, 437:01, 438:01, 439:01, No second antigen detected, Not Tested

Note: For ambiguities involving "G" alleles, you should report the lowest member of the "G" allele string. For example, if your lab receives an 04:02/105:01 typing result, you should report 04:02.

DPA1 HLA Codes: 01, 01:03, 01:04, 01:05, 01:06, 01:07, 01:08, 01:09, 01:10, 01:11, 01:12, 02, 02:01, 02:02, 02:03, 02:04, 03, 03:01, 03:02, 03:03, 04, 04:01, No second antigen detected, Not Tested

Section II - HLA Antibody Screening

Note: If **Yes** is selected for **HLA Antibody Screening Done,** the fields in **Section II** are **required**.

Were any HLA antibodies detected by:

Cytotoxicity: Indicate whether HLA antibodies were detected by Cytotoxicity (Yes, No, Not done)

Solid-phase: Indicate whether HLA antibodies were detected by Solid-phase (Yes, No, Not done)

Were there current donor specific HLA antibodies?: Yes, No, Unknown

Were there historical donor specific HLA antibodies?: Yes, No, Unknown

CPRA (%) – Most Recent: Enter the most recent CPRA. Kidney/pancreas CPRA Calculator can be used to compute this value. If value is unavailable, select the reason from the status (ST) drop-down list (Missing, Unknown, N/A, Not Done). Only available for thoracic recipients or recipients of multi-organ transplants involving those organs.

CPRA (%) –Peak: Enter the peak CPRA. Kidney/pancreas CPRA Calculator can be used to compute this value. If value is unavailable, select the reason from the status (ST) drop-down list (Missing, Unknown, N/A, Not Done). Only available for thoracic recipients or recipients of multi-organ transplants involving those organs.

Section III - Crossmatch

Note: If **Yes** is selected for **Crossmatch Done,** the fields in **Section III** are **required**. If multiple crossmatches were performed, report data on crossmatches the transplant was based on.

Date of the most recent crossmatch serum: Enter the date of the serum that was most recently collected and tested to obtain crossmatch results before the transplant was performed. Use the standard 8-digit numeric format of MM/DD/YYYY.

Cell Source: Select the source(s) from the available choices.

Peripheral Blood
Lymph Nodes
Spleen
Buccal Swab or Other

Which T-cell crossmatch tests were performed? Select all tests performed from available choices.

Cytotoxicity No AHG
Cytotoxicity AHG
Flow Cytometry
Solid Phase
Not tested

Result: Select the appropriate crossmatch results from the list.

Negative
Positive

Which B-cell crossmatch tests were performed? Select all tests performed from available choices.

Cytotoxicity No AHG

Cytotoxicity AHG

Flow Cytometry

Solid Phase

Not tested

Result: Select the appropriate crossmatch results from the list.

Negative
Positive

Which historical crossmatch tests were performed? Select all tests performed from available choices. *Note:* Historical crossmatch is a crossmatch performed with any sera other than the most recent. In case of both positive and negative crossmatch result, report a positive crossmatch result.

Cytotoxicity No AHG

Cytotoxicity AHG

Flow Cytometry

Solid Phase

Not tested

Result: Select the appropriate result for each historical crossmatch test reported

Negative
Positive

Section IV - Donor Retyping

Note: If **Yes** is selected for **Donor Retyped at Your Center**, the fields in **Section IV** are **required**.

Donor Retyped Class I: If the donor was retyped for anti-HLA Class I antigens, select **Yes**. If not, select **No**. If unknown, select **UNK**.

If **Yes** is selected, Donor HLA values entered in DonorNet® or on the Donor Histocompatibility From, display for your reference.

Enter the **Date Typing Completed for Class I** using the standard 8-digit numeric format of MM/DD/YYYY.

Typing Method Class I: Indicate if the typing method is **Serology** and/or **DNA**. If a typing for Class I was done, complete the antigen section.

Select the antigens from the drop-down lists. If the second antigen at a locus is blank, select **No second antigen detected**. If the donor was not tested for a particular antigen, select **Not tested**.

Note: If the split of an antigen is known, enter the split rather than the parent.

A Locus Codes: 1, 01:01, 01:02, 2, 02:01, 02:02, 02:03, 02:05, 02:06, 02:07, 02:10, 02:18, 3, 03:01, 03:02, 9, 10, 11, 11:01, 11:02, 19, 23, 24, 24:02, 24:03, 25, 26, 26:01, 26:02, 26:03, 28, 29, 29:01, 29:02, 30, 30:01, 30:02, 31, 32, 32:04, 33, 33:01, 33:03, 34, 34:01, 34:02, 36, 43, 66, 66:01, 66:02, 68, 68:01, 68:02, 69, 74, 80, No second antigen detected, Not Tested

B Locus Codes: 5, 7, 07:02, 07:03, 07:14, 8, 08:01, 08:02, 08:03, 08:04, 12, 13, 13:01, 13:02, 14, 14:01, 14:02, 15, 15:01, 15:02, 15:03, 15:04, 15:06, 15:07, 15:10, 15:11, 15:12, 15:13, 15:16, 15:17, 15:18, 15:20, 15:21, 15:24, 15:27, 16, 17, 18, 21, 22, 27, 27:03, 27:04, 27:05, 27:06, 27:08, 35, 35:01, 35:02, 35:03, 35:08, 35:12, 37, 38, 38:01, 38:02, 39, 39:01, 39:02, 39:04, 39:05, 39:06, 39:13, 40, 40:01, 40:02, 40:03, 40:04, 40:05, 40:06, 41, 41:01, 41:02, 42, 42:01, 42:02, 44, 44:02, 44:03, 45, 46, 47, 48, 48:01, 48:02, 49, 50, 50:01, 50:02, 51, 51:01, 51:02, 52, 53, 54, 55, 55:01, 55:02, 55:04, 56, 56:01, 56:03, 57, 57:01, 57:03, 58, 59, 60, 61, 62, 63, 64, 65, 67, 70, 71, 72, 73, 75, 76, 77, 78, 81, 82, No second antigen detected, Not Tested

Bw4 HLA Codes: Positive, Negative, Not Tested

Bw6 HLA Codes: Positive, Negative, Not Tested

C HLA Codes: 01, 01:02, 01:03, 02, 02:02, 02:10, 03, 03:02, 03:03, 03:04, 03:06, 04, 04:01, 04:03, 05, 06, 07, 07:01, 07:02, 07:04, 08, 08:01, 08:02, 08:03, 08:04, 09, 10, 12, 12:02, 12:03, 14, 14:02, 14:03, 15, 15:02, 15:05, 16, 16:01, 16:02, 17, 17:01, 17:03, 18, 18:01, 18:02, No second antigen detected, Not tested

Donor Retyped Class II: If the donor was retyped for anti-HLA Class II antigens, select **Yes**. If not, select **No**. If unknown, select **UNK**.

If **Yes** is selected, donor HLA values entered in DonorNet® or on the Donor Histocompatibility Form, display for your reference.

Enter the **Date Typing Completed for Class II** using the standard 8-digit numeric format of MM/DD/YYYY.

Typing Method Class II: Indicate if the typing method is **Serology** and/or **DNA**. If a typing for Class II was done, complete the antigen section. ([List of Typing Method codes](#))

Select the antigens from the drop-down lists. If the second antigen at a locus is blank, select **No second antigen detected**. If the donor was not tested for a particular antigen, select **Not tested**.

Note: If the split of an antigen is known, select the split rather than the parent.

DR Locus Codes: 1, 01:01, 01:02, 01:03, 2, 3, 03:01, 03:02, 03:03, 4, 04:01, 04:02, 04:03, 04:04, 04:05, 04:06, 04:07, 04:10, 04:11, 5, 6, 7, 8, 08:01, 08:02, 08:03, 08:07, 9, 09:01, 09:02, 10, 11, 11:01, 11:03, 11:04, 12, 12:01, 12:02, 13, 13:01, 13:02, 13:03, 13:05, 14, 14:01, 14:02, 14:03, 14:04, 14:05, 14:06, 14:54, 15, 15:01, 15:02, 15:03, 16, 16:01, 16:02, 17, 18, No second antigen detected, Not tested

DR51 HLA Code: 51, 5*01, 5*01:01, 5*01:02, 5*02, 5*02:02, N-Negative, NT-Not Tested

DR52 HLA Code: 52, 3*01, 3*01:01, 3*02, 3*02:01, 3*02:02, 3*03, 3*03:01, N-Negative, NT-Not Tested

DR53 HLA Code: 53, 4*01, 4*01:01, 4*01:03, N-Negative, NT-Not Tested

DQB1 HLA Codes: 1, 2, 02:01, 02:02, 3, 03:01, 03:02, 03:03, 03:19, 4, 04:01, 04:02, 5, 05:01, 05:02, 05:03, 6, 06:01, 06:02, 06:03, 06:04, 06:09, 7, 8, 9 No second antigen detected, Not Tested

DQA1 HLA Codes: 01, 01:01, 01:02, 01:03, 01:04, 01:05, 01:06, 01:07, 01:08, 01:09, 01:10, 01:11, 01:12, 02, 02:01, 03, 03:01, 03:02, 03:03, 04, 04:01, 04:02, 04:04, 05, 05:01, 05:02, 05:03, 05:04, 05:05, 05:06, 05:07, 05:08, 05:09, 05:10, 05:11, 06, 06:01, 06:02, No second antigen detected, Not Tested

DPB1 HLA Codes: 01:01, 02:01, 02:02, 03:01, 04:01, 04:02, 05:01, 06:01, 08:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 16:01, 17:01, 18:01, 19:01, 20:01, 21:01, 22:01, 23:01, 24:01, 25:01, 26:01, 27:01, 28:01, 29:01, 30:01, 31:01, 32:01, 33:01, 34:01, 35:01, 36:01, 37:01, 38:01, 39:01, 40:01, 41:01, 44:01, 45:01, 46:01, 47:01, 48:01, 49:01, 50:01, 51:01, 52:01, 53:01, 54:01, 55:01, 56:01, 57:01, 58:01, 59:01, 60:01, 62:01, 63:01, 65:01, 66:01, 67:01, 68:01, 69:01, 70:01, 71:01, 72:01, 73:01, 74:01, 75:01, 76:01, 77:01, 78:01, 79:01, 80:01, 81:01, 82:01, 83:01, 84:01, 85:01, 86:01, 87:01, 88:01, 89:01, 90:01, 91:01, 92:01, 93:01, 94:01, 95:01, 96:01, 97:01, 98:01, 99:01, 100:01, 101:01, 102:01, 103:01, 104:01, 105:01, 106:01, 107:01, 108:01, 109:01, 110:01, 111:01, 112:01, 113:01, 114:01, 115:01, 116:01, 117:01, 118:01, 119:01, 121:01, 122:01, 123:01, 124:01, 125:01, 126:01, 127:01, 128:01, 129:01, 130:01, 131:01, 132:01, 133:01, 134:01, 135:01, 136:01, 137:01, 138:01, 139:01, 140:01, 141:01, 142:01, 143:01, 144:01, 145:01, 146:01, 147:01, 148:01, 149:01, 150:01, 151:01, 152:01, 153:01, 155:01, 156:01, 157:01, 158:01, 160:01, 162:01, 163:01, 164:01, 165:01, 166:01, 167:01, 168:01, 169:01, 170:01, 171:01, 172:01, 173:01, 174:01,175:01, 176:01, 177:01, 178:01, 179:01, 180:01, 181:01, 182:01, 183:01, 184:01, 185:01, 186:01, 187:01, 188:01, 189:01, 190:01, 191:01, 192:01, 193:01, 194:01, 195:01, 196:01, 197:01, 198:01, 199:01, 200:01, 201:01, 202:01, 203:01, 204:01, 205:01, 206:01, 207:01, 208:01, 209:01, 210:01, 211:01, 212:01, 213:01, 214:01, 215:01, 217:01, 219:01, 220:01, 221:01, 222:01, 223:01, 224:01, 225:01, 226:01, 227:01, 228:01, 229:01, 230:01, 231:01, 232:01, 233:01, 234:01, 235:01, 236:01, 237:01, 238:01, 239:01, 240:01, 241:01, 242:01, 243:01, 244:01, 245:01, 246:01, 247:01, 248:01, 249:01, 250:01, 251:01, 252:01, 253:01, 254:01, 255:01, 256:01, 257:01, 258:01, 259:01, 260:01, 261:01, 262:01, 263:01, 264:01, 265:01, 266:01, 267:01, 268:01,

269:01, 270:01, 271:01, 272:01, 273:01, 274:01, 275:01, 276:01, 277:01, 278:01, 279:01, 280:01, 281:01, 282:01, 283:01, 284:01, 285:01, 286:01, 287:01, 288:01, 289:01, 290:01, 291:01, 292:01, 293:01, 294:01, 295:01, 296:01, 297:01, 298:01, 299:01, 300:01, 301:01, 302:01, 303:01, 304:01, 305:01, 306:01, 307:01, 308:01, 309:01, 310:01, 311:01, 312:01, 313:01, 314:01, 315:01, 316:01, 317:01, 318:01, 319:01, 320:01, 321:01, 322:01, 323:01, 324:01, 325:01, 326:01, 327:01, 329:01, 330:01, 331:01, 332:01, 333:01, 334:01, 335:01, 336:01, 337:01, 338:01, 339:01, 340:01, 341:01, 342:01, 343:01, 344:01, 345:01, 346:01, 347:01, 348:01, 349:01, 350:01, 351:01, 352:01, 353:01, 354:01, 355:01, 356:01, 358:01, 359:01, 360:01, 361:01, 362:01, 363:01, 364:01, 365:01, 366:01, 367:01, 368:01, 369:01, 370:01, 371:01, 372:01, 373:01, 374:01, 375:01, 376:01, 377:01, 378:01, 379:01, 380:01, 381:01, 383:01, 384:01, 385:01, 386:01, 387:01, 388:01, 389:01, 390:01, 391:01, 392:01, 393:01, 394:01, 395:01, 396:01, 397:01, 398:01, 399:01, 400:01, 402:01, 404:01, 405:01, 406:01, 407:01, 408:01, 409:01, 410:01, 411:01, 412:01, 413:01, 414:01, 415:01, 416:01, 417:01, 418:01, 419:01, 420:01, 421:01, 422:01, 423:01, 424:01, 425:01, 426:01, 427:01, 428:01, 429:01, 430:01, 431:01, 432:01, 433:01, 434:01, 435:01, 436:01, 437:01, 438:01, 439:01, No second antigen detected, Not Tested

Note: For ambiguities involving "G" alleles, you should report the lowest member of the "G" allele string. For example, if your lab receives an 04:02/105:01 typing result, you should report 04:02.

DPA1 HLA Codes: 01, 01:03, 01:04, 01:05, 01:06, 01:07, 01:08, 01:09, 01:10, 01:11, 01:12, 02, 02:01, 02:02, 02:03, 02:04, 03, 03:01, 03:02, 03:03, 04, 04:01, No second antigen detected, Not Tested