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- Expiration Date: 07/31/2028

NIH Tetramer Core Facility (TCF) - Client Survey

Purpose: This survey is designed to collect client feedback to guide the ongoing enhancement of reagents offered by the NIH Tetramer Core Facility.

Privacy Statement: Your participation is voluntary. All questions are optional and you may exit the survey at any time.

Burden Disclosure: Public reporting burden for this collection of information is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA# 0925-0668. Do not return the completed form to this address.

When you submit this form, it will not automatically collect your details like name and email address unless you provide it yourself.

Reagents

1. How often does your lab order reagents from the NIH Tetramer Core Facility?

- 1-3 times per year
- 4 or more times per year

2. Which reagents do you order?

- Tetramers - Class I
- Tetramers - Class II
- Tetramers - CD1
- Tetramers - MR1
- Tetramers - Non-MHC
- Monomers - Class I
- Monomers - Class II
- Ligands - CD1d

3. How often do you obtain pMHC tetramers/multimers from other sources? 

- Never
- 1-3 times per year
- ≥ 4 times per year

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Use of pMHC multimers from vendors other than the NIH Tetramer Core Facility

3. How often do you obtain pMHC tetramers/multimers from other sources? 

- Never
- 1-3 times per year
- ≥ 4 times per year

4. Which other vendors do you use, if applicable?

- Creative Biolabs
- Immudex
- immunAware
- MBL Life Science
- ProImmune
- Tetramer Shop
- Other

5. Reason for choosing other vendors, if applicable

Enter your answer

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Applications

4. Do you use tetramers/multimers to:

- Detect antigen-specific T cells
- Detect innate-like T cells
- Other

5. Do you order monomers from the NIH TCF? 

- Yes
- No

6. If you use TCF reagents for other applications beyond flow cytometry, please describe.

Enter your answer

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Applications

6. Do you use tetramers/multimers to:

Detect antigen-specific T cells

Detect innate-like T cells

Other

7. Do you order monomers from the NIH TCF? 

Yes

No

8. Do you use pMHC monomers to:

Enter if applicable.

Generate tetramers

Generate higher-valency multimers (e.g., dextramers, spheromers)

Generate DNA-barcoded tetramers

Generate CyTOF tetramers

Other

9. If you use TCF reagents for other applications beyond flow cytometry, please describe.

Enter your answer

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Low-Avidity and Low-Frequency T Cells

10. Do you work with low-avidity T cells?

- Yes
 No

11. Do you need to detect low-frequency T cells?

- Yes
 No

12. If you have used higher-valency multimers (e.g., dextramers, spheromers) for the detection of low-avidity or low-frequency T cells, please describe.

Enter your answer

13. If you have used higher-valency multimers, did they improve detection compared to standard tetramers?

- Yes
 No
 Did not compare to tetramers

14. If you believe higher-valency multimers will improve your results, please explain.

Enter your answer

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DNA-Barcoded Reagents

15. Have you used DNA-barcoded multimers?

Yes

No

16. If you have used DNA-barcoded multimers, what was the source of the reagents

Enter your answer

17. Are you interested in using DNA-barcoded multimers in future experiments?

Yes

No

18. If you are you interested in using DNA-barcoded multimers in future experiments, how often would you use them?

Rarely

Occasionally

Frequently

19. If you have specific platform or instrumentation requirements for bar-coded multimers, please describe.

Enter your answer

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Other Comments

20. Please describe any challenges in applying tetramers in your studies

Enter your answer

21. Other comments

Enter your answer

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Technical Questions - Optional

19. Would you like to answer a few technical questions that will help improve TCF offerings and services? 

Yes

No

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Technical Questions - Optional

22. Would you like to answer a few technical questions that will help improve TCF offerings and services?

Yes

No

23. If you generate your own tetramers from TCF-provided monomers, what fluorophores do you use?

Enter if applicable

Enter your answer

24. If you generate your own tetramers from TCF-provided monomers, what vendor do you use for streptavidin

Enter if applicable

Enter your answer

25. If you use methods to enhance pMHC staining, which ones do you use?

Dasatinib

Magnetic enrichment

Antibody cross-linking

Other

26. What temperature do you use for incubation during staining for class I tetramers?

37 °C

Room temperature

4 °C (on ice)

Other

27. How long do you incubated class I tetramer stains

- ≤ 15 minutes
- 15-30 minutes
- 30-60 minutes
- > 60 minutes
- Other

28. What temperature do you use for incubation during staining for class II tetramers?

- 37 °C
- Room temperature
- 4 °C (on ice)
- Other

29. How long do you incubated class II tetramer stains

- ≤ 15 minutes
- 15-30 minutes
- 30-60 minutes
- > 60 minutes
- Other

30. Please describe the positive controls you use to determine your tetramer is working.

Enter your answer

31. Please describe your approach to determining the lower limit of detection of your tetramers (in terms of population frequency)

Enter your answer

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Optional - Contact Information

20. To help us learn more about the types of reagents our clients order, you may provide your contact information. Are you willing to provide your name, email address and institution for this purpose? 

Yes

No

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Optional - Contact Information

30. To help us learn more about the types of reagents our clients order, you may provide your contact information. Are you willing to provide your name, email address and institution for this purpose? 

Yes

No

31. Full name

Enter your answer

32. Email address

Enter your answer

33. Institution

Enter your answer

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