Sample Authentication Plan

Templates for addressing authentication requirements.

Authentication Plan Examples by species

These templates may be used to detail your authentication plan, as described in NIH NOT-OD-16-011.

Human Cell Authentication

All human cell lines used in this grant application will be authenticated as a standard quality control measure at the beginning and end of the project and when banking frozen materials for later use. In addition to routine testing, authentication will also be conducted if cell line performance is inconsistent or results are unexpected. Cell line authentication testing will be performed at IDEXX BioResearch (http://www.idexxbioresearch.com/cellcheck), using methods recommended by the American National Standards Institute (ANSI ASN-0002-2011). The cell lines will be confirmed to be of human origin and tested for evidence of cross-species contamination (mouse, rat, Chinese hamster and African Green monkey). Short tandem repeat (STR) testing will be performed and the genetic profile obtained will be compared to the established cell line profile to confirm the cell lines are consistent with the established profile. In the event that a profile has not been established, the obtained profile will be compared to other cell line profiles available in public databases to ensure the profile is unique. Newly established profiles will be included in subsequent publications so that these are available to the rest of the scientific community.

Mouse Cell Authentication

All mouse cell lines used in this grant application will be authenticated as a standard quality control measure at the beginning and end of the project and when banking frozen materials for later use. In addition to routine testing, authentication will also be conducted if cell line performance is inconsistent or results are unexpected. Cell line authentication testing will be performed at IDEXX BioResearch (http://www.idexxbioresearch.com/cellcheck). The cell lines will be confirmed to be of mouse origin and tested for evidence of cross-species contamination (human, rat, Chinese hamster and African Green monkey). Short tandem repeat (STR) testing will be performed and the genetic profile obtained will be compared to the established cell line, if available, to confirm the cell lines are consistent with the established profile. Newly established profiles will be included in subsequent publications so that these are available to the rest of the scientific community.

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IDEXX BioResearch

Sample Authentication Plan

Templates for addressing authentication requirements.

Authentication Plan Examples by species

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Rat Cell Authentication

All rat cell lines used in this grant application will be authenticated as a standard quality control measure at the beginning and end of the project and when banking frozen materials for later use. In addition to routine testing, authentication will also be conducted if cell line performance is inconsistent or results are unexpected. Cell line authentication testing will be performed at IDEXX BioResearch (http://www.idexxbioresearch.com/cellcheck). The cell lines will be confirmed to be of rat origin and tested for evidence of cross-species contamination (human, mouse, Chinese hamster and African Green monkey). Short tandem repeat (STR) testing will be performed and the genetic profile obtained will be compared to established cell line profile, if available, to confirm the cell lines are consistent with the established profile. Newly established profiles will be included in subsequent publications so that these are available to the rest of the scientific community.

Canine Cell Authentication

All canine cell lines used in this grant application will be authenticated as a standard quality control measure at the beginning and end of the project and when banking frozen materials for later use. In addition to routine testing, authentication will also be conducted if cell line performance is inconsistent or results are unexpected. Cell line authentication testing will be performed at IDEXX BioResearch (http://www.idexxbioresearch.com/cellcheck). The cell lines will be confirmed to be of canine origin and tested for evidence of cross-species contamination (human, mouse, rat, Chinese hamster and African Green monkey). Short tandem repeat (STR) testing will be performed and the genetic profile obtained will be compared to established cell line profile, if available, to confirm the cell lines are consistent with the established profile. Newly established profiles will be included in subsequent publications so that these are available to the rest of the scientific community.

Templates also available for other species
Species confirmation and Interspecies contamination testing available for African green monkey, Chinese hamster, Feline, Porcine, Laboratory rabbit
CO1 Bar Code Species Confirmation available for additional species.

For additional information contact Robyn Myles, Product Manager, Biological Testing • 1 573 499 5722 or robyn-myles@idexx.com

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