www.purigenbio.com

SEE THE PURIGEN ADVANTAGE

Proof-of-Performance (POP) Study

Purigen is transforming nucleic acid purification using isotachophoresis (ITP) which separates and focuses charged molecules in solution based solely on their ionic mobility. The Purigen system doesn't use harsh denaturing and dehydrating steps that damage nucleic acids, and it also doesn't include any washing steps. The result is higher nucleic acid yields with no contamination and increased quality. Amplifiable yields versus conventional column-based techniques are typically 2–10x higher for FFPE samples and 1.1–1.5x for cells.

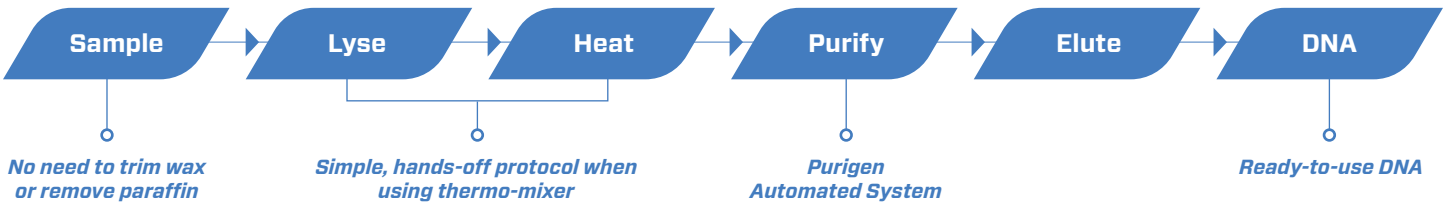
- **Higher amplifiable yields**
- **Higher quality and longer fragment lengths**
- **Simplified workflows which save time while minimizing the risk of sample contamination**
- **Cost per 8 samples = $200**

How a POP Study Works

1. Select a sample type to submit. Currently supported sample types are cultured cells, sorted cells or FFPE.
2. Determine how many samples you want to submit. Samples are processed in batches of 8.
3. Discuss the goals of your POP with you local Regional Account Manager who will generate a Proof-of-Performance Request Form.
4. Fill out a sample manifest and send your samples to Purigen.
5. Receive your purified DNA in approximately 10 business days.

Purigen FFPE Workflow

Hands-on time is less than 3 minutes per sample.



For more information, contact us at **info@purigenbio.com**.

PURIGEN BIOSYSTEMS

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PUR-DOC-5

Proof-of-Performance (POP)

REQUEST FORM

PURIGEN BIOSYSTEMS

info@purigenbio.com

GENERAL INFORMATION

Institute / Company

Project Requestor

Request Date

Project Requestor Email

Desired Project Completion Date

Project Requestor Phone

PROJECT INFORMATION

What is the main reason for your interest in Purigen's Proof-of-Performance program and what specific pain points in your current workflow are you trying to address?

Please provide a brief description of the project.

What downstream analysis will be performed after nucleic acid purification?

Number of Samples

SAMPLE INFORMATION

Please provide a brief description of the samples.

Have aliquots/portions of the samples that you plan to submit for the POP been purified using an alternative nucleic acid purification technology?

◯ YES — **If so,** were any issues encountered when purifying the samples (please describe)? Can you share any QC data?

◯ NO — **If not,** do you plan to purify aliquots/portions of the samples using an alternative nucleic acid purification technology so that you can compare results?

Is the downstream assay sensitive to the purification volume? Please note that cell samples will be eluted into 45–65 uls and FFPE samples into 40 uls.

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Cells

Cell type

Estimated cell count

Recommended cell preparation prior to shipping:

1. Spin the cells/media solution for 5 min at 500 x g (or a given cell line-specific spin speed).
2. Carefully remove the media without disturbing the pellet.
3. Add 175 µL 1X PBS (without $MgCl_2$ or $CaCl_2$) to the pellet.
4. Spin the cells/PBS for 5 min at 500 x g (or a given cell line-specific spin speed).
5. Carefully remove all the PBS without disturbing the pellet. It is important that the majority of the 1X PBS is removed (~ 5 µL leftover is ok, but ideally the supernatant is completely aspirated).
6. Flash freeze the pellet and ship the pellet on dry ice.

FFPE

Sample format ☐ Scrolls / Curls ☐ Mounted slides

Thickness and surface area

Tissue type

Block age (if known)

We recommend shipping FFPE samples at 4–8°C

PLEASE NOTE

1. We cannot accept samples that are contaminated or otherwise contain materials that are actively infectious to humans.
2. Please indicate if any samples contain any brain or spinal tissue.
3. Please indicate any special handling conditions.
4. Any unused sample material will be discarded.

DEFINITION OF PROGRAM SUCCESS

What criteria will be used to determine whether or not this POP is successful?

If the POP is deemed successful what else would be needed to support the purchase of a Purigen system?

Do you have budget to support an instrument purchase at this time?

What is your timeline to purchase?

Can comparative purification or downstream analysis data be shared with Purigen:

◯ YES ◯ NO

If yes, what comparative data do you plan to generate?

Can Purigen use any comparison data for marketing purposes (details of specific usage will be shared before publication):

◯ YES ◯ NO

APPROVAL

Regional Account Manager

Customer

SVP of Sales / Marketing

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