

	Document Number:	SOP-301-A
	Effective Date:	01/XX/2022
	Version:	1
	PGS Verification - Run Form	

## PREP

- Amp heaters on (Heat indicator lit!)
- Map out plate layout
- Printout these 2 pages out separate
- Label Reaction Mix tubes
  - 1.5mL EDLB tubes
  - 4 rxn per RM tube
  - 1 RM tubes per PGS batch (#68)
- Calc amount of CLAMP MM needed
  - $55 \mu\text{L} \times \# \text{ batches} = \underline{\hspace{2cm}}$
  - Use single source tube
  - If larger run combine MM tubes
- Label strip8 tubes (or use plate)
- Make 1mL 1XISS (fill out on next pg)

	Validation PGS <a href="#">Form Link</a>
	Location: MBC
Name: _____	
Date and Time: _____	

## RUN

- Get PCR cold block out 10min before - put plate or strip8 tubes in
- Get blue tube cold block out 10min before - keep all RM tubes in this
- Make Reaction Mixes for all tubes:
  - 1) Add 46  $\mu\text{L}$  of each PGS to each RM tube (making sure to match lot#s)
  - 2) Add 55  $\mu\text{L}$  of CLAMP MM to each RM Tube
  - 3) Vortex for 10s and centrifuge/shake down
  - 4) Add 23 $\mu\text{L}$  of reaction mix to each of 4 wells {at bottom, no blowout, no tip touch}
- After adding RM to all reconfigure POS strips together and NEG strips together
- Add NEG control (1XISS) to those columns/tubes - cap
- Prep Pos Control: TPC100 - thaw 30s, add 20 $\mu\text{L}$  of Ultra Pure water (clean glove!)
- Add POS - TPC50 to each POS tube                            PGS Lot#
   
Prefix \_\_\_\_\_

	POS	NEG										
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	1	2	3	4	5	6	7	8	9	10	11	12
A 1	POS 0040	NEG 0040										
B 2	POS 0040	NEG 0040										
C 3	POS 0041	NEG 0041										
D 4	POS 0041	NEG 0041										
E 5	POS 0042	NEG 0042										
F 6	POS 0042	NEG 0042										
G 7												
H 8												

## PREP

- Heaters on (Heat indicator lit!)
- 1X Inactivation Saline Soln ready
- Reaction mix strip8/plates ready
- Safety Procedures:
  - lab coat
  - gloves
  - face mask
  - face shield or goggles
- Alcohol wipe sample tubes

	Amp Run Sheet Short Any System	version 1.3mod

## AMPLIFICATION REACTION

- Thaw Reaction Mix (if frozen)
- Setup tips to align with reactions

Amp Heater:	Strip8 Tubes or Plates
Reaction Mix:	Fresh



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### PGS Verification - Run Form

- Add 2 $\mu$ L from each sample tube (pipet up& down 5X, blowout in liquid, tip touch)
- Heat 65°C for 25 min, set timer
- Intake sample tubes in App
- Put sample tubes in fridge
- Remove Reactions and Let cool for 1 min before photo
- Take photo in lightbox
  
- Crop photo and apply vivid filter
- Update results in App
- Log Run with Form link

CLAMP MM Lot and EXP:

Num Reactions (including controls):

Pos Ctrl ID: TPC50 from TPC\_  
Ultrapure Water ID:

Neg Ctrl ID (today's 1XISS):

Initial Inconclusives?:

Notes: