

	<b>SAFE WORK PROCEDURE:</b>	Doc No		SWP-COE-04		
		Last Rev/Date		00	12 Apr 2010	
	Rapid Thermal Annealing (RTA)	Current Rev/Date		00	12 Apr 2010	
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**1. Application to:**

All personnel working on the Rapid Thermal Annealing (RTA) System.

**2. Pre-requisite for Operation of the RTA System:**

- 2.1. Must have attended the operation and safety training.
- 2.2. Must be fully understand the system risk assessment
- 2.3. Must be fully qualified to operate the system by him/her self.

**3. Hazards that may be present:**

- 3.1. High pressure from N2 gas cylinder
- 3.2. Broken glass from loading and unloading samples
- 3.3. Heat
- 3.4. Arsenic Gas release

**4. Personal Protection Required:**

- 4.1. Gloves
- 4.2. Cleanroom apparel (garment and shoes)

**5. Procedures:**

**5.1. Operating the RTA system**

- 5.1.1. Turn on turbo pump
- 5.1.2. Turn on chiller
- 5.1.3. Loading sample
- 5.1.4. Select recipe
- 5.1.5. Annealing
- 5.1.6. Unload samples

**5.2 Maintenance of the RTA system**

- 5.2.1 As and when the system is dirty or not working

**5.3 Specific Processes**

- 5.3.1 To anneal samples at high temperature.

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6. Communication Frequency:

The Lab Supervisor shall arrange for this Safe Work Procedure to be communicated every once a year and as & when required.

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