

PreM Ecosystem

SCAN
HERE



Genomics Medicine IT Ecosystem

By National Biobank of Thailand



IT ecosystem supporting Genomic Medicine services

- ❖ **Enrollment** : Volunteer recruitment, Pseudonymization, e-consent & eCRF
- ❖ **Phenotips** : Clinical database system
- ❖ **SMS** : Specimen Management System
- ❖ **Data analysis** : Accelerated WGS processing (Variant calling, annotation with custom Thai dB and ACMG classification)
- ❖ **V@PP** : Variant Annotation and Prioritization Platform

IT System

NBT service

NBT storage

Customer's storage

Enrollment-Phenotips-SMS platform

Enrollment	Clone & re-deploy Combine Enrollment, eConsent, eCRF	Customize eCRF	Customize eCRF, Deployment, MA, consult
	50 THB / Sample	500,000^a THB	1,000,000^a THB
SMS	Clone & re-deploy	Customer's requirement	Customer's requirement, Deployment, MA, consult
	50 THB / Sample	500,000^a THB	1,000,000^a THB
Phenotypes	Clone & re-deploy	Customer's requirement	Customer's requirement, Deployment, MA, consult
	100 THB / Sample	500,000^a THB	1,000,000^a THB
Data transfer	1.00 THB / Gigabyte		2.00 THB / Gigabyte^b

Whole genome data analysis (~ 100 GB / 30-40x)

Variant Calling to ACMG classification	6,500 THB / Sample	
Phenotype & Genotype Processing (Rare & Cancer)	On top of Variant Calling to ACMG classification (1,500 THB / Sample)	
Pharmacogenomics	On top of Variant Calling to ACMG classification (3,000 THB / Sample)	
V@PP & NBT data storage	Clone & re-deploy	Not available
	See annual subscription plan	

^a One-time charge

^b will be charged for both upload and download data transfer to and from NBT

MA: Maintenance Service Agreement for one year



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- ❖ Web-based platform with data security & data sharing
- ❖ Supporting Tele-consultant and collaboration
- ❖ BAM online visualization
- ❖ Variant prioritization with Thais data
- ❖ Online report system with customizable
- ❖ ISO 27001:2013

Choose the best plan for you business

STANDARD	BRONZE	SILVER	GOLD	PLATINUM
12,000 THB	75,000 THB	120,000 THB	500,000 THB	Contact Sale
Storage (after 30 days) -	Storage (after 30 days) 1 TB	Storage (after 30 days) 5 TB	Storage (after 30 days) 20 TB	Storage (after 30 days) Unlimited
Online account 1 account	Online account 2 account	Online account 5 account	Online account 20 account	Online account Unlimited
Online support -	Online support -	Online support Yes	Online support Yes	Online support Yes
Onsite support -	Onsite support -	Onsite support -	Onsite support Yes	Onsite support Yes

* Standard package data were preserved for one month after analysis.

** The price is subscription plan (annually)

* 1 WGS ~ 150 GB, 1 WES ~ 15 GB



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