PAT Fridge / freezer maintenance check

Room number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Checked by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***At the completion of PAT testing please return this form to Trevor Sewell or Kirin Hill***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Inventory number*** | ***inventory number*** | ***inventory number*** | ***inventory number*** | ***inventory number*** |
|  |  |  |  |  |  |  |
| ***1*** | ***Is there evidence of ” icing up”?*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** |
| ***2*** | ***Is there evidence of excessive dust on cooling coils?*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** |
| ***3*** | ***Are the door seals working correctly.*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** |
| ***4*** | ***Are the contents labelled?***    ***(owner – contents – date)*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** |
| ***5*** | ***Are stored materials associated with active users*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** |
| ***6*** | ***Are samples stored at highest feasible temperature*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** |
| ***7*** | ***Is the space well used*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** | ***Y / N*** |
|  |  |  |  |  |  |  |

***5 cold storage devices are highly energy intensive – they can account for 5% of total laboratory energy consumption. Using these as storage for obsolete samples leads to unnecessary energy loss.***

***7 Many cold storage devices store fewer samples than they are capable of because of awkwardly shaped containers or poor racking. This is not only inefficient but also threatens sample longevity because there is ingress of warm air when doors or lids are opened***