

Prohibited List 2005

Summary of Modifications vis-à-vis 2004 Prohibited List

General Introduction

- For consistency with other WADA International Standards, a message on the front page states that the English version will be the reference version in case of conflict.
- An educational message is provided at the beginning of the List: "The use of any drug should be limited to medically justified indications".
- The organization of the 2005 *Prohibited List* has been modified:
 - "Substances and Methods prohibited at all times (In- and Out-of-Competition)" are now presented in Section I. Section II lists "Substances and Methods prohibited In-Competition", and consists of all the categories listed in the previous section, plus four additional ones. Sections III and IV remain with the same headings. The numbering of categories inside each section has been modified accordingly.
 - The headings now appear as noted below:
 - I. Substances and Methods prohibited at all times (In- and Out-of-Competition).**

S1. Anabolic Agents	M1. Enhancement of oxygen transfer
S2. Hormones and related substances	M2. Chemical and physical manipulation
S3. Beta-2 agonists	M3. Gene doping
S4. Agents with anti-estrogenic activity	
S5. Diuretics and other Masking Agents	
 - II. Substances and Methods prohibited In-Competition.**

All the Categories under Section I, plus:

 - S6. Stimulants
 - S7. Narcotics
 - S8. Cannabinoids
 - S9. Glucocorticosteroids
 - III. Substances prohibited in Particular Sports.**
 - P1. Alcohol
 - P2. Beta-blockers
 - IV. Specified Substances.**
- Specific changes in sections, categories, substances or methods are provided below.

Comments regarding specific sections, categories, substances and methods

I. SUBSTANCES AND METHODS PROHIBITED AT ALL TIMES (IN- AND OUT-OF-COMPETITION)

PROHIBITED SUBSTANCES

S1. Anabolic agents

1. Anabolic androgenic steroids

a. Exogenous

- Nine substances have been added to the list of examples: *18 α -homo-17 β -hydroxyestr-4-en-3-one*, *calusterone*, *delta1-androstenediol*, *ethylestrenol*, *furazabol*, *methyldienolone*, *methyltrienolone*, *norclostebol*, *tetrahydrogestrinone*.
- The substances *androstadienone* and *drostanediol* (5-alpha androstane 3-beta, 17-beta diol) have been removed from the list of examples.
- The term "biological" replaces "pharmacological".

b. Endogenous

- The list of endogenous steroids is now a closed list, meaning that all known prohibited endogenous steroids are listed and prohibited.
- The main endogenous steroids are listed first, followed by their metabolites and isomers. The intake of these substances is either associated to performance enhancement or to alteration of urinary steroid profiles used for the detection of doping.
- The T/E ratio has been changed to four (4) to one (1). This threshold is thus harmonized with the threshold mentioned in the Technical Document for Laboratories. It should be noted that a T/E ratio higher than the threshold leads to further investigation by the Anti-Doping Organization, and not necessarily to a sanction.
- A sentence has been added to the paragraph on the T/E ratio to clarify the fact that no further investigation is needed if the "*laboratory reports an Adverse Analytical Finding based on any reliable analytical method [for instance IRMS], showing that the Prohibited Substance is of exogenous origin*".

2. Other anabolic agents

- A partial list of examples is provided for this category and includes *Zilpaterol*.

S2. Hormones and related substances

- The term "biological" replaces "pharmacological".
- *Mechano growth factors* (MGFs) have been added as an example in the sub-category of growth hormones.
- Substances that were previously prohibited "*in men only*" are now prohibited for all athletes (men and women).
- The two subcategories of gonadotrophins are merged.

S3. Beta-2 agonists

- All beta-2 agonists are now prohibited in- and out-of-competition.
- As in 2004, four inhaled beta-2 agonists, namely formoterol, salbutamol, salmeterol and terbutaline, can be used with an abbreviated TUE.

S4. Agents with anti-estrogenic activity

- This category has been divided into subsections as follows:
 1. Aromatase inhibitors;
 2. Selective estrogen receptor modulators (SERMs);
 3. Other anti-estrogenic compounds.
- Substances that were previously prohibited "*in men only*" are now prohibited for all athletes (men and women).

- A partial list of examples is provided for each category. New examples added to this category include: *anastrozole*, *letrozole*, *aminogluthetimide*, *formestane*, *testolactone*, *raloxifene*, *toremifene*, *fulvestrant*.

S5. Diuretics and other masking agents

- The title of this category has been modified to specifically mention Diuretics.
- Examples of masking agents now include *albumin*.
- Alpha-reductase inhibitors (*finasteride*, *dutasteride*) have been added as masking agents.
- *Mersalyl* has been removed and *Metolazone* has been added as an example of a diuretic.

PROHIBITED METHODS

M1. Enhancement of oxygen transfer

- The wording has been slightly modified.

M2. Chemical and physical manipulation

- The term "Pharmacological" has been removed in the heading of category M2. All substances previously included in the M2 category are now included in the "Diuretics and other Masking Agents" category.
- *Intravenous infusions* are now prohibited as a doping method. Prohibition of intravenous infusions is not aimed at preventing their use for legitimate acute medical purposes. Therefore an explanatory sentence has been added to clarify this point.

M3. Gene doping

- The wording now takes into account the modulation of gene expression as a doping practice.

II. SUBSTANCES AND METHODS PROHIBITED IN-COMPETITION

- **Categories S1 to S5 and M1 to M3**, listed in the previous section, are prohibited in competition. Additional categories prohibited in-competition include:

PROHIBITED SUBSTANCES

S6. Stimulants

- *Fencamine* and *Famprofazone* have been added to the list of examples.
- A note clarifying the status of adrenaline has been added.
- *Bupropion* has been introduced in the Monitoring Program.

S7. Narcotics

- *Fentanyl and its derivatives* have been added to the List of substances prohibited in this closed category.

S8. Cannabinoids

- No changes.

S9. Glucocorticosteroids

- Same status as in the 2004 Prohibited List, except that dermatological preparations of glucocorticosteroids are no longer prohibited (no TUE required).

III. SUBSTANCES PROHIBITED IN-PARTICULAR SPORTS

P1. Alcohol

- Four Federations have requested that alcohol be removed as a substance prohibited in their sport: Gymnastics (FIG), Roller Sports (FIRS), Triathlon (ITU) and Wrestling (FILA). Six Federations have agreed to a harmonized threshold of 0.10 g/L of alcohol in blood, and three Federations require a specific threshold.

P2. Beta-blockers

- No changes

P3. Diuretics

- This category, prohibiting granting of a Therapeutic Use Exemption (TUE) for Diuretics in weight-classified categories, has been removed.

IV. SPECIFIED SUBSTANCES

- Diuretics have been removed from the list of Specified Substances.